

ABSTRACT

A guide boss is provided in a diaphragm blocking the halfway portion of a channel; a valve disk is formed in the shape of a cylinder; the inner face of this cylinder-shaped valve disk is slidably engaged around the guide boss; and further, a valve port consisting of a plurality of long bores are formed in a diaphragm surrounding the guide boss. Thereby, fluid can responsively flow into the valve port when the valve disk is opened, and the follow-up of the fluid is accelerated.